

Table A5. Equations for full-time and part-time college enrollment rates of women

Independent variable	Coefficient	Standard error	T-statistic	R ²	D.W. statistic
Full-time					
Age17	-7.98	0.13	-60.3	0.97	0.4
Age18	-5.36	0.10	-56.1		
Age19	-5.32	0.09	-56.5		
Age20	-5.54	0.09	-59.8		
Age21	-5.72	0.09	-60.7		
Age22	-6.41	0.16	-40.0		
Age23	-6.88	0.10	-66.3		
Age24	-7.17	0.10	-72.2		
Age25	-8.00	0.09	-85.2		
Age25-29	-8.63	0.09	-97.7		
Age35-44	-8.84	0.09	-96.9		
LNURF	0.17	0.01	16.9		
LNCPIMA	0.75	0.01	50.7		
Rho17	0.07	0.08	0.9		
Rho18	-0.09	0.08	-1.2		
Rho19	-0.43	0.08	-5.6		
Rho20	-0.57	0.10	-5.6		
Rho21	-0.05	0.09	-0.6		
Rho22	0.77	0.07	11.4		
Rho23	0.02	0.07	0.3		
Rho24	-0.87	0.05	-16.1		
Rho25-29	-0.12	0.04	-2.9		
Rho30-34	-0.57	0.09	-6.3		
Rho35-44	-0.46	0.07	-6.2		
Part-time					
Age17	-9.31	1.42	-6.6	0.74	2.3
Age18	-5.83	0.26	-22.7		
Age19	-5.66	0.26	-21.5		
Age20	-5.54	0.25	-22.5		
Age21	5.65	0.25	-22.6		
Age22	-5.53	0.25	-22.4		
Age23	-5.83	0.25	-23.7		
Age24	-6.02	0.26	-23.5		
Age25	-5.98	0.24	-24.8		
Age25-29	-6.25	0.25	-24.8		
Age35-44	-5.99	0.24	-24.7		
LNURF	0.21	0.03	6.2		
LNCPIMA	0.57	0.04	14.5		
Rho17	0.74	0.12	6.0		
Rho18	0.48	0.14	3.5		
Rho19	0.42	0.11	3.7		
Rho20	0.06	0.11	0.6		
Rho21	0.21	0.08	2.5		
Rho22	0.22	0.14	1.5		
Rho23	-0.14	0.10	-1.4		
Rho24	0.54	0.10	5.5		
Rho25-29	0.30	0.12	2.4		
Rho30-34	0.59	0.09	6.3		
Rho35-44	0.17	0.12	1.5		

R² = Coefficient of determination.

D.W. statistic = Durbin-Watson statistic.

Where:

AGE(age) = Enrollment rate by age.

Rho(age) = Autocorrelation coefficient for each age.

LNURM = Log unemployment rate for men.

LNCPIMA = Log of four-period weighted average of per capita real disposable income.

NOTE: The regression method used to estimate the full-time and part-time equations was pooled seemingly unrelated regression with first-order autocorrelation correction. The time period used to estimate the equations is from 1978 to 2001. The number of observations is 253. For additional information, see M. D. Intriligator, *Econometric Models, Techniques, & Applications*, New Jersey: Prentice-Hall Inc., 1978, pp. 165-173.

SOURCE: U.S. Department of Education, National Center for Education Statistics, Enrollment in Degree-Granting Institutions Model.

(This table was prepared June 2003.)